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Terms	Documents
(4 isothiazolin 3 one).clm. and (polymer or resin) near (emulsion or latex).clm. and (biocide or antibacterial or antimicrobial).clm.	3

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L7

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side by side			
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L7</u>	(4 isothiazolin 3 one).clm. and (polymer or resin) near (emulsion or latex).clm. and (biocide or antibacterial or antimicrobial).clm.	3	<u>L7</u>
<u>L6</u>	L3 and ((523/\$)!.CCLS.)	22	<u>L6</u>
<u>L5</u>	L3 and (pyridinium chloride or benzalkonium chloride)	4	<u>L5</u>
<u>L4</u>	L3 and (pyridium chloride or benzalkonium chloride)	1	<u>L4</u>
<u>L3</u>	4 isothiazolin 3 one and (polymer or resin) near (emulsion or latex) and (biocide or antibacterial or antimicrobial)	186	<u>L3</u>
<u>L2</u>	4 isothiazolin 3 one and emulsion	811	<u>L2</u>
<u>L1</u>	(\$benzalkonium chloride or \$dodecylguanidine hydrochloride or \$dodecyl guanidinehydrochloride or \$dodecylguanidinehydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetyl pyridiniumchloride or didecylmethylammonium chloride or didecylmethylammoniumchloride or didecyl methylammoniumchloride or \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride) and (antibacter\$ or anti bacter\$ or antimicrob\$ or anti microb\$ or biocide) and (protective colloid or stabili\$er) with (polyvinyl alcohol or hydroxymethyl cellulose or poly vinyl alcohol or polyvinylalcohol or hydroxymethylcellulose) and (emulsion or latex or latices)	10	<u>L1</u>

END OF SEARCH HISTORY

**WEST****Freeform Search****Database:**

US Patents Full-Text Database  
 US Foreign Patent Publication Full-Text Database  
 JP Abstract Database  
 EPO Abstract Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Term:**

(\$benzalkonium chloride or \$dodecylguanidine  
 hydrochloride or \$dodecyl guanidinehydrochloride  
 or \$dodecylguanidinehydrochloride or cetyl  
 pyridinium chloride or cetylpyridinium chloride or

**Display:** 50 Documents in **Display Format:** - Starting with Number 1**Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

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**Hit Count** **Set Name**  
 result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

L1 (\$benzalkonium chloride or \$dodecylguanidine hydrochloride or \$dodecyl guanidinehydrochloride or \$dodecylguanidinehydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetyl pyridiniumchloride or didecylmethylammonium chloride or didecylmethylammoniumchloride or didecyl methylammoniumchloride or \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride) and (antibacter\$ or anti bacter\$ or antimicrob\$ or anti microb\$ or biocide) and (protective colloid or stabili\$er) with (polyvinyl alcohol or hydroxymethyl cellulose or poly vinyl alcohol or polyvinylalcohol or hydroxymethylcellulose) and (emulsion or latex or latices)

10 L1

END OF SEARCH HISTORY

09/997,599

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Terms	Documents
L1 and (antimicrob\$ or anti microb\$ or antibacter\$ or anti bacter\$ or biocide) and protective colloid with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex) not 112	0

Database:

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Search:

L13

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L13</u>	L1 and (antimicrob\$ or anti microb\$ or antibacter\$ or anti bacter\$ or biocide) and protective colloid with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex) not l12	0	<u>L13</u>
<u>L12</u>	L1 and (antimicrob\$ or biocide) and protective colloid with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex)	2	<u>L12</u>
<u>L11</u>	L1 with (antimicrob\$ or biocide) and protective colloid with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex)	1	<u>L11</u>
<u>L10</u>	L1 with (antimicrob\$ or biocide) and protective colloid with (polyvinyl alcohol or hydroxyethyl cellulose) and l6	0	<u>L10</u>
<u>L9</u>	L1 with (antimicrob\$ or biocide) and l5 and l6	2	<u>L9</u>
<u>L8</u>	L6 and l5 and l4	6	<u>L8</u>
<u>L7</u>	L6 and l5 or l4	3512	<u>L7</u>
<u>L6</u>	(emulsion or latex or latices or dispersion).clm.	59460	<u>L6</u>
<u>L5</u>	(protective colloid or polyvinyl alcohol or polyvinylalcohol or poly vinyl alcohol or hydroxyethyl cellulose or hydroxyethylcellulose).clm.	13600	<u>L5</u>
<u>L4</u>	(\$dodecylguanidinehydrochloride or \$dodecylguanidine hydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetylpyridiniumchloride or didecylmethylammonium chloride or didecylmethylammoniumchloride or didecyl methyl ammonium chloride or didecylmethyl ammoniumchloride or \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride).clm.	390	<u>L4</u>
<u>L3</u>	L2 and (emulsion or latex or dispersion or latices)	732	<u>L3</u>
<u>L2</u>	L1 and (protective colloid or polyvinyl alcohol or polyvinylalcohol or poly vinyl alcohol or hydroxyethyl cellulose or hydroxyethylcellulose) \$dodecylguanidinehydrochloride or \$dodecylguanidine hydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetylpyridiniumchloride or didecylmethylammonium chloride or didecylmethylammoniumchloride or didecyl methyl ammonium chloride or didecylmethyl ammoniumchloride or \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride	1100	<u>L2</u>
<u>L1</u>		3215	<u>L1</u>

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Search for additional matches among the next 2000 terms

starting with: ; BACTER\$(BACTERI-65).P1-P34.

**Search Results -**

Terms	Documents
(alkyldimethyl benzalkonium chloride or \$dodecylguanidinehydrochloride or \$dodecylguanidine hydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetylpyridiniumchloride or didecylmethyllumonium chloride or didecylmethyllumoniumchloride or didecyl methyllumonium chloride or didecyl methyllumoniumchloride \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride) and (antimicrob\$ or anti microb\$ or antibacter\$ or anti bacter\$ or biocide) and (protective colloid or stabilizer) with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex)	0

**Database:**

US OCR Full-Text Database

**Search:**

L2

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	<i>DB=USOC; PLUR=YES; OP=ADJ</i>		
<u>L2</u>	(alkyldimethyl benzalkonium chloride or \$dodecylguanidinehydrochloride or \$dodecylguanidine hydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetylpyridiniumchloride or didecylmethylammonium chloride or didecylmethylammoniumchloride or didecyl methylammonium chloride or didecyl methylammoniumchloride \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride) and (antimicrob\$ or anti microb\$ or antibacter\$ or anti bacter\$ or biocide) and (protective colloid or stabilizer) with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex)	0	<u>L2</u>
<u>L1</u>	(\$dodecylguanidinehydrochloride or \$dodecylguanidine hydrochloride or cetyl pyridinium chloride or cetylpyridinium chloride or cetylpyridiniumchloride or didecylmethylammonium chloride or didecylmethylammoniumchloride or didecyl methylammonium chloride or didecyl methylammoniumchloride \$hexamethylenebiguanidehydrochloride or \$hexamethylenebiguanide hydrochloride) and (antimicrob\$ or anti microb\$ or antibacter\$ or anti bacter\$ or biocide) and (protective colloid or stabilizer) with (polyvinyl alcohol or hydroxyethyl cellulose) and (emulsion or latex)	0	<u>L1</u>

END OF SEARCH HISTORY